

SEQUENCE LISTING

<110> Briggs, Kristen
Dialynas, Deno
Lucas, John
Scalia, Aaron

10 Nov 2003 PCT/PT 10 15 10 00 02
30 SEP 2005

<120> XCRF Polynucleotides and Polypeptides and Uses Thereof

<130> WO775

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<141> 2003-21-03

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<213> Homo sapiens

<220>

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Val	Ser	Ser	Gly	Gly	Pro	Glu	Gly	His	Tyr	Glu	Met	Leu	Gly	Thr	Cys	
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cgc	atg	gtg	tgc	gac	ccc	tac	ccc	gcg	cgg	ggc	ccc	ggc	gcc	ggc	gcg	145
Arg	Met	Val	Cys	Asp	Pro	Tyr	Pro	Ala	Arg	Gly	Pro	Gly	Ala	Gly	Ala	
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cgg	acc	gac	ggc	ggc	gac	gcc	ctg	agc	gag	cag	agc	ggc	gcg	ccc	ccg	193
Arg	Thr	Asp	Gly	Gly	Asp	Ala	Leu	Ser	Glu	Gln	Ser	Gly	Ala	Pro	Pro	
	45				50					55					60	
cct	tcc	acg	ctg	gtg	cag	ggc	ccc	cag	ggg	aag	ccg	ggc	cgc	acc	ggc	241
Pro	Ser	Thr	Leu	Val	Gln	Gly	Pro	Gln	Gly	Lys	Pro	Gly	Arg	Thr	Gly	
			65					70						75		
aag	ccc	ggc	cct	ccg	ggg	cct	ccc	ggg	gac	cca	ggt	cct	ccc	ggc	cct	289
Lys	Pro	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Asp	Pro	Gly	Pro	Pro	Gly	Pro	
			80					85					90			
gtg	ggg	ccg	ccg	ggg	gag	aag	ggt	gag	cca	ggc	aag	ccg	ggc	cct	ccg	337
Val	Gly	Pro	Pro	Gly	Glu	Lys	Gly	Glu	Pro	Gly	Lys	Pro	Gly	Pro	Pro	
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ggg	ctg	ccg	ggc	gcg	ggg	ggc	agc	ggc	gcc	atc	agc	act	gcc	acc	tac	385
Gly	Leu	Pro	Gly	Ala	Gly	Gly	Ser	Gly	Ala	Ile	Ser	Thr	Ala	Thr	Tyr	
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 Thr Thr Val Pro Arg Val Ala Phe Tyr Ala Gly Leu Lys Asn Pro His
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gag ggt tac gag gta ctc aag ttt gac gac gtg gtc acc aac cta ggc 481
 Glu Gly Tyr Glu Val Leu Lys Phe Asp Asp Val Val Thr Asn Leu Gly
 145 150 155

aac aac tac gac gcg gcc agc ggc aag ttt acg tgc aac att ccc ggc 529
 Asn Asn Tyr Asp Ala Ala Ser Gly Lys Phe Thr Cys Asn Ile Pro Gly
 160 165 170

acc tac ttt ttc acc tac cat gtc ctc atg cgc ggc ggc gac ggc acc 577
 Thr Tyr Phe Phe Thr Tyr His Val Leu Met Arg Gly Gly Asp Gly Thr
 175 180 185

agt atg tgg gca gac ctc tgc aag aat ggc cag gtg cgg gcc agt gct 625
 Ser Met Trp Ala Asp Leu Cys Lys Asn Gly Gln Val Arg Ala Ser Ala
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 Ile Ala Gln Asp Ala Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser Val
 205 210 215 220

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 Ile Leu His Leu Asp Ala Gly Asp Glu Val Phe Ile Lys Leu Asp Gly
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 Gly Lys Ala His Gly Gly Asn Ser Asn Lys Tyr Ser Thr Phe Ser Gly
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 Phe Ile Ile Tyr Ser Asp *
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 Gly Asp Ala Leu Ser Glu Gln Ser Gly Ala Pro Pro Pro Ser Thr Leu

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Pro Gly Pro Pro Gly Asp Pro Gly Pro Pro Gly Pro Val Gly Pro Pro			
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Gly Glu Lys Gly Glu Pro Gly Lys Pro Gly Pro Pro Gly Leu Pro Gly			
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Ala Gly Gly Ser Gly Ala Ile Ser Thr Ala Thr Tyr Thr Thr Val Pro			
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Ala Ala Ser Gly Lys Phe Thr Cys Asn Ile Pro Gly Thr Tyr Phe Phe			
	165	170	175
Thr Tyr His Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala			
	180	185	190
Asp Leu Cys Lys Asn Gly Gln Val Arg Ala Ser Ala Ile Ala Gln Asp			
	195	200	205
Ala Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser Val Ile Leu His Leu			
	210	215	220
Asp Ala Gly Asp Glu Val Phe Ile Lys Leu Asp Gly Gly Lys Ala His			
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Gly Gly Asn Ser Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile Ile Tyr			
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Ser Asp			

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<212> DNA

<213> Homo sapiens

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<221> CDS

<222> (1)... (864)

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ccc ccc gga gcg gct cac tac gag atg ctg ggc acc tgc cgc atg atc	96
Pro Pro Gly Ala Ala His Tyr Glu Met Leu Gly Thr Cys Arg Met Ile	
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tgt gac cca tac agc gtc gct ccc gca ggg gga ccc gcg ggc gcc aag	144
Cys Asp Pro Tyr Ser Val Ala Pro Ala Gly Gly Pro Ala Gly Ala Lys	
35 40 45	
gct cca ccg ccg gga ccc agt acc gct gcc ctg gaa gtt atg cag gac	192
Ala Pro Pro Pro Gly Pro Ser Thr Ala Ala Leu Glu Val Met Gln Asp	
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ctc agc gcc aac ccc ccg cct ccg ttt atc cag gga cca aag ggt gat	240
Leu Ser Ala Asn Pro Pro Pro Phe Ile Gln Gly Pro Lys Gly Asp	
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Pro Gly Arg Pro Gly Lys Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro	
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ggg cct cct ggg ccc agg ggt ccc ccg gga gag aaa gga gac tcg ggg	336
Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Lys Gly Asp Ser Gly	
100 105 110	
agg cca ggg cta ccc gga ctg cag ttg aca acc agc gcg gcc gg t ggc	384
Arg Pro Gly Leu Pro Gly Leu Gln Leu Thr Thr Ser Ala Ala Gly Gly	
115 120 125	
gtt gga gtg gtg agt ggc gga acc ggg ggc ggt ggc gac acg gag gga	432
Val Gly Val Val Ser Gly Gly Thr Gly Gly Gly Gly Asp Thr Glu Gly	
130 135 140	
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Glu Val Thr Ser Ala Leu Ser Ala Ala Phe Ser Gly Pro Lys Ile Ala	
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Phe Tyr Val Gly Leu Lys Ser Pro His Glu Gly Tyr Glu Val Leu Lys	
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Phe Asp Asp Val Val Thr Asn Leu Gly Asn His Tyr Asp Pro Thr Thr	
180 185 190	
ggc aag ttc agc tgc cag gtg cgg ggc atc tac ttc ttc acg tac cac	624
Gly Lys Phe Ser Cys Gln Val Arg Gly Ile Tyr Phe Phe Thr Tyr His	
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att ctc atg cgt ggc ggc gac gga acc agc atg tgg gcg gat ctc tgc	672
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Lys Asn Gly Gln Val Arg Ala Ser Ala Ile Ala Gln Asp Ala Asp Gln	
225 230 235 240	
aat tac gac tac gcc agc aac agc gtg gta ctg cac ctg gat tca ggc	768
Asn Tyr Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Asp Ser Gly	
245 250 255	
gat gaa gtc tac gtg aag ctg gac ggc ggg aag gct cac ggc ggc aac	816
Asp Glu Val Tyr Val Lys Leu Asp Gly Gly Lys Ala His Gly Gly Asn	
260 265 270	
aat aac aag tac agc acg ttc tcg ggc ttc ctc ctg tat ccg gat tag	864
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<400> WO 03/082915

PCT/EP03/50081

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Ile	Leu	Met	Arg	Gly	Gly	Asp	Gly	Thr	Ser	Met	Trp	Ala	Asp	Leu	Cys	
	210				215						220					
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Arg	Gly	Pro	Ala	His	Tyr	Glu	Met	Leu	Gly	Arg	Cys	Arg	Met	Val	Cys	
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gac	ccg	cat	ggg	ccc	cgt	ggc	cct	ggg	ccc	gac	ggc	gcg	cct	gct	tcc	144
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Val Pro Pro Phe Pro Pro Gly Ala Lys Gly Glu Val Gly Arg Arg Gly	
50 55 60	
aaa gca ggc ctg cgg ggg ccc cct gga cca cca ggt cca aga ggg ccc	240
Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro	
65 70 75 80	
cca gga gaa ccc ggc agg cca ggc ccc ccg ggc cct ccc ggt cca ggt	288
Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly	
85 90 95	
ccg ggc ggg gtg gcg ccc gct gcc ggc tac gtg cct cgc att gct ttc	336
Pro Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro Arg Ile Ala Phe	
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tac gcg ggc ctg cgg cgg ccc cac gag ggt tac gag gtg ctg cgc ttc	384
Tyr Ala Gly Leu Arg Arg Pro His Glu Gly Tyr Glu Val Leu Arg Phe	
115 120 125	
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Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu Ala Ala Ser Gly	
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aag ttt act tgc ccc atg cca ggc gtc tac ttc ttc gct tac cac gtg	480
Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His Val	
145 150 155 160	
ctc atg cgc ggc ggc gac ggc acc agc atg tgg gcc gac ctc atg aag	528
Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp Leu Met Lys	
165 170 175	
aac gga cag gtc cgg gcc agc gcc att gct cag gac gcg gac cag aac	576
Asn Gly Gln Val Arg Ala Ser Ala Ile Ala Gln Asp Ala Asp Gln Asn	
180 185 190	
tac gac tac gcc agc aac agc gtc att ctg cac ctg gac gtg ggc gac	624
Tyr Asp Tyr Ala Ser Asn Ser Val Ile Leu His Leu Asp Val Gly Asp	
195 200 205	
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Glu Val Phe Ile Lys Leu Asp Gly Gly Lys Val His Gly Gly Asn Thr	
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Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile Ile Tyr Pro Asp *	
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<212> PRT

<213> Homo sapiens

<400> 6

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1 WO 03/082915 10 PCT/EP03/50081

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Val	Pro	Pro	Phe	Pro	Pro	Gly	Ala	Lys	Gly	Glu	Val	Gly	Arg	Arg	Gly
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Lys	Ala	Gly	Leu	Arg	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Pro	Arg	Gly	Pro
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Pro	Gly	Glu	Pro	Gly	Arg	Pro	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Pro	Gly
				85				90						95	
Pro	Gly	Gly	Val	Ala	Pro	Ala	Ala	Gly	Tyr	Val	Pro	Arg	Ile	Ala	Phe
			100					105					110		
Tyr	Ala	Gly	Leu	Arg	Arg	Pro	His	Glu	Gly	Tyr	Glu	Val	Leu	Arg	Phe
		115					120					125			
Asp	Asp	Val	Val	Thr	Asn	Val	Gly	Asn	Ala	Tyr	Glu	Ala	Ala	Ser	Gly
	130					135					140				
Lys	Phe	Thr	Cys	Pro	Met	Pro	Gly	Val	Tyr	Phe	Phe	Ala	Tyr	His	Val
145					150					155					160
Leu	Met	Arg	Gly	Gly	Asp	Gly	Thr	Ser	Met	Trp	Ala	Asp	Leu	Met	Lys
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Asn	Gly	Gln	Val	Arg	Ala	Ser	Ala	Ile	Ala	Gln	Asp	Ala	Asp	Gln	Asn
			180					185					190		
Tyr	Asp	Tyr	Ala	Ser	Asn	Ser	Val	Ile	Leu	His	Leu	Asp	Val	Gly	Asp
	195					200						205			
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Pro	Arg	Gly	Ala	Ala	His	Tyr	Glu	Met	Met	Gly	Thr	Cys	Arg	Met	Ile	
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tgc	gac	cct	tac	act	gcc	gcg	ccc	ggc	ggg	gag	ccc	ccg	ggt	gca	aag	144
Cys	Asp	Pro	Tyr	Thr	Ala	Ala	Pro	Gly	Gly	Glu	Pro	Pro	Gly	Ala	Lys	
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	50					55					60					
ctc	agc	gcc	aac	cct	cct	cct	cct	ttc	atc	cag	gga	ccc	aag	ggc	gac	240
Leu	Ser	Ala	Asn	Pro	Pro	Pro	Pro	Phe	Ile	Gln	Gly	Pro	Lys	Gly	Asp	

ccg	ggg	cga	ccg	ggc	aag	cca	ggg	ccg	cgg	ggg	ccc	cct	gga	gag	ccg	288
Pro	Gly	Arg	Pro	Gly	Lys	Pro	Gly	Pro	Arg	Gly	Pro	Pro	Gly	Glu	Pro	
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ggc	ccg	cct	gga	ccc	agg	ggc	cct	ccg	gga	gag	aag	ggc	gac	tcg	ggg	336
Gly	Pro	Pro	Gly	Pro	Arg	Gly	Pro	Pro	Gly	Glu	Lys	Gly	Asp	Ser	Gly	
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cgg	ccc	ggg	ctg	cca	ggg	ctg	caa	ctg	acg	gcg	ggc	acg	gcc	agc	ggc	384
Arg	Pro	Gly	Leu	Pro	Gly	Leu	Gln	Leu	Thr	Ala	Gly	Thr	Ala	Ser	Gly	
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gtc	ggg	gtg	gtg	ggc	ggc	ggg	gcc	ggg	gta	ggt	ggc	gat	tcc	gag	ggt	432
Val	Gly	Val	Val	Gly	Gly	Gly	Ala	Gly	Val	Gly	Gly	Asp	Ser	Glu	Gly	
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Glu	Val	Thr	Ser	Ala	Leu	Ser	Ala	Thr	Phe	Ser	Gly	Pro	Lys	Ile	Ala	
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Phe	Tyr	Val	Gly	Leu	Lys	Ser	Pro	His	Glu	Gly	Tyr	Glu	Val	Leu	Lys	
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Phe	Asp	Asp	Val	Val	Thr	Asn	Leu	Gly	Asn	His	Tyr	Asp	Pro	Thr	Thr	
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Gly	Lys	Phe	Ser	Cys	Gln	Val	Arg	Gly	Ile	Tyr	Phe	Phe	Thr	Tyr	His	
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atc	ctc	atg	cgc	ggc	ggc	gac	ggc	acc	agc	atg	tgg	gcg	gac	ctc	tgc	672
Ile	Leu	Met	Arg	Gly	Gly	Asp	Gly	Thr	Ser	Met	Trp	Ala	Asp	Leu	Cys	
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Lys	Asn	Gly	Gln	Val	Arg	Ala	Ser	Ala	Ile	Ala	Gln	Asp	Ala	Asp	Gln	
225					230					235					240	
aac	tac	gac	tac	gcc	agt	aac	agc	gtg	gtg	ctg	cac	ttg	gat	tca	ggg	768
Asn	Tyr	Asp	Tyr	Ala	Ser	Asn	Ser	Val	Val	Leu	His	Leu	Asp	Ser	Gly	
				245				250						255		
gac	gaa	gtg	tat	gtg	aag	ctg	gat	ggc	ggg	aag	gct	cac	gga	ggc	aat	816
Asp	Glu	Val	Tyr	Val	Lys	Leu	Asp	Gly	Gly	Lys	Ala	His	Gly	Gly	Asn	
			260					265					270			
aat	aac	aag	tac	agc	acg	ttc	tcg	ggc	ttt	ctt	ctg	tac	cgg	gat	tag	864
Asn	Asn	Lys	Tyr	Ser	Thr	Phe	Ser	Gly	Phe	Leu	Leu	Tyr	Pro	Asp	*	
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<213> Homo sapien

<400> 8

Met	Ala	Leu	Gly	Leu	Leu	Ile	Ala	Val	Pro	Leu	Leu	Leu	Gln	Ala	Ala
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Pro	Arg	Gly	Ala	Ala	His	Tyr	Glu	Met	Met	Gly	Thr	Cys	Arg	Met	Ile
			20					25					30		
Cys	Asp	Pro	Tyr	Thr	Ala	Ala	Pro	Gly	Gly	Glu	Pro	Pro	Gly	Ala	Lys
		35					40					45			
Ala	Gln	Pro	Pro	Gly	Pro	Ser	Thr	Ala	Ala	Leu	Glu	Val	Met	Gln	Asp
	50					55					60				
Leu	Ser	Ala	Asn	Pro	Pro	Pro	Pro	Phe	Ile	Gln	Gly	Pro	Lys	Gly	Asp
65					70					75					80
Pro	Gly	Arg	Pro	Gly	Lys	Pro	Gly	Pro	Arg	Gly	Pro	Pro	Gly	Glu	Pro
				85					90					95	
Gly	Pro	Pro	Gly	Pro	Arg	Gly	Pro	Pro	Gly	Glu	Lys	Gly	Asp	Ser	Gly
			100					105					110		
Arg	Pro	Gly	Leu	Pro	Gly	Leu	Gln	Leu	Thr	Ala	Gly	Thr	Ala	Ser	Gly
		115					120					125			
Val	Gly	Val	Val	Gly	Gly	Gly	Ala	Gly	Val	Gly	Gly	Asp	Ser	Glu	Gly
	130					135					140				
Glu	Val	Thr	Ser	Ala	Leu	Ser	Ala	Thr	Phe	Ser	Gly	Pro	Lys	Ile	Ala
145					150					155					160
Phe	Tyr	Val	Gly	Leu	Lys	Ser	Pro	His	Glu	Gly	Tyr	Glu	Val	Leu	Lys
				165					170					175	
Phe	Asp	Asp	Val	Val	Thr	Asn	Leu	Gly	Asn	His	Tyr	Asp	Pro	Thr	Thr
			180					185					190		
Gly	Lys	Phe	Ser	Cys	Gln	Val	Arg	Gly	Ile	Tyr	Phe	Phe	Thr	Tyr	His
		195					200					205			
Ile	Leu	Met	Arg	Gly	Gly	Asp	Gly	Thr	Ser	Met	Trp	Ala	Asp	Leu	Cys
	210					215					220				
Lys	Asn	Gly	Gln	Val	Arg	Ala	Ser	Ala	Ile	Ala	Gln	Asp	Ala	Asp	Gln
225					230					235					240
Asn	Tyr	Asp	Tyr	Ala	Ser	Asn	Ser	Val	Val	Leu	His	Leu	Asp	Ser	Gly
				245					250					255	
Asp	Glu	Val	Tyr	Val	Lys	Leu	Asp	Gly	Gly	Lys	Ala	His	Gly	Gly	Asn
			260					265					270		
Asn	Asn	Lys	Tyr	Ser	Thr	Phe	Ser	Gly	Phe	Leu	Leu	Tyr	Pro	Asp	
		275					280					285			